

IN THE CLAIMS:

1. (Currently Amended) An electronic apparatus for processing audio/video data, comprising:

a data processing subunit, included within said electronic apparatus, for receiving and processing audio/video input data;

a functional block, included within said data processing subunit, operative as a terminating functional block to terminate the data processed by said data processing subunit by transforming the data to an image signal;

a memory for storing information pertaining to said data processing subunit and said functional block, wherein the information stored in said memory is accessible by an external electronic apparatus connected to said electronic apparatus via a serial data bus; and

connection means for connecting said electronic apparatus and said external electronic apparatus via said serial data bus,

wherein said information pertaining to said functional block stored within said memory includes virtual plug information of said functional block.

2. (Canceled)

3. (Previously Presented) The electronic apparatus of claim 1 wherein the information stored in said memory indicates that said functional block terminates data received by the data processing subunit.

Claims 4 and 5 (Canceled)

6. (Previously Presented) The electronic apparatus of claim 1, wherein said data processing subunit further comprises another functional block for performing said input data processing and supplying said processed data to said functional block operative as a terminating functional block.

Claims 7 and 8 (Canceled)

9. (Previously Presented) The electronic apparatus of claim 1 wherein said memory has a hierarchical structure.

10. (Previously Presented) The electronic apparatus of claim 1 wherein said data is video data and said functional block is a video display means that terminates said video data by converting the processed data into a video signal and displaying video corresponding thereto.

11. (Previously Presented) The electronic apparatus of claim 10 wherein said video display means is a display.

12. (Previously Presented) The electronic apparatus of claim 10 wherein said video display means is a printer.

13. (Previously Presented) The electronic apparatus of claim 1 wherein said data is audio data and said functional block is an audio output means that terminates said audio data by converting it into sound corresponding thereto.

Claims 14 and 15 (Canceled)

16. (Previously Presented) The electronic apparatus of claim 1, further comprising another functional block for processing said data and supplying said processed data to said functional block operative as a terminating functional block, and said memory further storing information concerning virtual plug information of said another functional block, wherein all of said virtual plug information is accessible by an external apparatus connected to said electronic apparatus via said serial data bus.

17. (Previously Presented) The electronic apparatus of claim 1 wherein said serial data bus performs data communication in accordance with the IEEE-1394 standard.

18. (Previously Presented) The electronic apparatus of claim 1 wherein said electronic apparatus is a digital television receiver.

19. (Currently Amended) A method for processing data, comprising:
receiving input audio/video data at a data processing subunit included within an electronic apparatus and processing the received input audio/video data at said data processing subunit included within said electronic apparatus and processing the received input audio/video

data at said data processing subunit, wherein said audio/video input data is received by said electronic apparatus over a serial bus;

terminating said processed data with a functional block included within said subunit by transforming the data to an image signal; and

storing information pertaining to said data processing subunit and said functional block in a memory, wherein the information stored in said memory is accessible by an external electronic apparatus connected to said electronic apparatus via said serial data bus,

wherein said information pertaining to said functional block stored within said memory includes virtual plug information of said functional block.

20. (Canceled).

21. (Previously Presented) The method of claim 19 wherein the information stored in said memory indicates that said functional block terminates data received by said data processing subunit.

Claims 22 – 24 (Canceled)

25. (Currently Amended) The method of claim ~~24~~ 19, wherein said electronic apparatus further comprises another functional block for processing said audio/video data and supplying said processed audio/video data to said functional block that terminates said processed audio/video data, and said memory further storing information concerning virtual plug

information of said another functional block, and further comprising accessing all of said virtual plug information stored in said memory by an external apparatus connected to said electronic device via said serial data bus.

26. (Currently Amended) A system having a plurality of electronic apparatuses connected via a serial data bus to enable transmission of data among said apparatuses, comprising:

a data transmitting apparatus for transmitting audio/video data over said serial data bus;

a data receiving apparatus for receiving the audio/video data transmitted by said serial data transmitting apparatus over said data bus;

wherein said data receiving apparatus comprises:

a data processing subunit, included within said receiving apparatus, for processing said received audio/video data;

a functional block, included within said data processing subunit, operative as a terminating functional block to terminate the data processed by said data processing subunit by transforming the data to an image signal; and

a memory for storing information pertaining to said data processing subunit and said functional block, wherein the information stored in said memory is accessible by an external electronic apparatus connected to said electronic apparatus via said serial data bus,

wherein said information pertaining to said functional block stored within said memory includes virtual plug information of said functional block.

27. (Canceled).

28. (Previously Presented) The system of claim 26 wherein the information stored in said memory indicates that said functional block terminates data received by said data processing subunit.

Claims 29 and 30 (Canceled)

31. (Currently amended) The system of claim ~~30~~ 26, wherein said data receiving apparatus further comprises another functional block for processing said audio/video data and supplying said processed audio/video data to said functional block operative as a terminating functional block, and said memory further storing information concerning virtual plug information of said another functional block.

32. (Currently Amended) A data processing method for processing data in a system having a plurality of electronic apparatuses connected via a serial data bus, comprising the steps of:

transmitting audio/video data from a transmitting apparatus to a receiving apparatus of said plurality of apparatuses;

receiving the audio/video data at a data processing subunit ~~in~~ included within said receiving apparatus;

processing the audio/video data received by said data processing subunit;

terminating said processed audio/video data with a functional block included within said data processing subunit by transforming the audio/video data to an image signal; and

storing information pertaining to said data processing subunit and said functional block in a memory, wherein the information stored in said memory is accessible by an external electronic apparatus connected to said electronic apparatus via said serial data bus,

wherein said information pertaining to said functional block stored within said memory includes virtual plug information of said functional block.

33. (Canceled)